TIPPLEN® R 959 A

Polypropylene Random Copolymer

MOL Petrochemicals Co. Ltd.

Message:

TIPPLEN R 959 A is a reactor grade random copolymer polypropylene for injection moulding applications. The product formulated with special nucleating and optical whitener agent with excellent transparency and gloss. This improved reactor grade has very narrow MWD which provide good dimensional stability, low warpage, excellent smell/odor and organoleptic behaviors. This grade contains nucleating and antistatic agent. TIPPLEN R 959 A is suitable for replacement of PVC, PS or PET.
TIPPLEN R 959 A is recommended for injection moulding for the production of household articles, containers and thin-walled packaging for cosmetics, toiletries, herbs, confectionery, where the higher gas-permeability is no problem. It is applicable for injection moulding of transparent food containers, which can use in microwave oven.
TIPPLEN R 959 A is suitable for food contact. The product complies with Food Contact and Toy Safety Regulations.

General Information	
Additive	Antistatic Nucleating Agent
Features	Antistatic Food Contact Acceptable High Clarity High Gloss Nucleated Random Copolymer Recyclable Material
Uses	Containers Cosmetic Packaging Food Containers Household Goods Thin-walled Packaging Toys
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1200	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	30.0	MPa	ISO 527-2

Tensile Strain (Yield, Injection Molded)	12	%	ISO 527-2
Flexural Modulus (Injection Molded)	1250	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C, Injection Molded)	5.0	kJ/m^2	ISO 180/A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	84.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	185 to 230	°C	

Recommended distributors for this material

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